



U.S. Department of Commerce
BUREAU OF THE CENSUS



Manufacturers' Shipments, Inventories, and Orders

NOVEMBER 1981

M3-1(81)-11

For Wire Transmission 10:30 A.M. E.S.T. Thursday, December 31, 1981

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods showed a small increase in November, going up \$0.4 billion or 0.2 percent from October to \$159.4 billion, the Department of Commerce, Bureau of the Census reported today. This is the first increase in orders since July. Excluding orders for defense capital goods, new orders were down 0.4 percent.

Shipments of manufactured goods declined for the 5th consecutive month, decreasing \$2.2 billion or 1.4 percent from October to \$161.9 billion. Despite the increase in November new orders, the value remained below shipments for the month, resulting in a decline in the orders backlog of \$2.5 billion or 0.8 percent to \$321.1 billion. The orders backlog had declined in October by 1.5 percent.

The 0.2 percent increase in manufacturers' new orders resulted from offsetting movements in the durable and nondurable goods industries. New orders for durable goods were estimated at \$79.1 billion, up \$1.3 billion or 1.7 percent from October; new orders for nondurable goods, which for the most part reflect shipments for the month, declined \$0.9 billion or 1.1 percent to \$80.3 billion.

Within the durable goods industries, the largest increases occurred in the machinery categories: new orders for electrical machinery increased \$1.5 billion or 14.3 percent to \$11.9 billion, while new orders for nonelectrical machinery were up \$0.5 billion or 3.4 percent to \$16.5 billion. These increases followed October declines of 17.0 percent and 8.7 percent respectively.

New orders for nondefense capital goods, reflecting the machinery order increases, were up 10.0 percent from October to \$23.1 billion. New orders for defense capital goods were up \$1.0 billion or 26 percent to \$4.8 billion, following an October decline of 42 percent.

Declines in the value of manufacturers' shipments in November were widespread. Within the durable goods sector, virtually all major industries except electrical and nonelectrical machinery were down. Shipments of primary metals in November were valued at \$10.6 billion, down for the third consecutive

month. This 4.1 percent decline followed decreases in October of 4.7 percent and September of 3.1 percent. Both the steel and nonferrous categories have been showing steady declines. Within the transportation equipment category, shipments by the motor vehicle and parts industries were down for the 5th consecutive month. November shipments were valued at \$10.0 billion, a 6.3 percent decline from October. The motor vehicle industry decline in November was partially offset by increases in the aircraft and shipbuilding industries.

The decline in shipments by nondurable goods manufacturers in November of 1.1 percent matched the October decline of 1.1 percent. Declines in food, petroleum, and rubber and plastic products shipments were partially offset by increases in most of the other categories.

The book value of manufacturers' inventories in November increased \$1.1 billion or 0.4 percent from October to \$279.6 billion. Most of the durable and nondurable goods industries reported small increases, but the motor vehicle and parts industry showed an inventory decline of \$0.4 billion or 3.9 percent to \$9.1 billion.

With the decline in shipments over the last several months the inventory to shipments ratio has now climbed to 1.73. This is the highest it has been since the second quarter last year when the ratio rose to 1.76 in May and June.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for December is scheduled for release on January 22, 1982, and the full report is scheduled for release on February 2, 1982.

A description of the survey methodology and related information may be found in the summary report in this series for 1980 M31.10 Manufacturers' Shipments, Inventories and Orders: 1972-1980, issued July 1981.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹					
		Monthly				Quarterly				Last 4 months				Monthly			Last 4 months a year ago		
		Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	III 1981	II 1981	I 1981	1981	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980	1981	1980
	TOTALS																		
	All manufacturing industries.....	161,869	164,085	168,581	169,518	508,423	506,512	495,900	495,900	161,225	170,346	174,010	166,520	161,492	167,307	163,812	147,823	1,842,052	1,688,337
	Manufacturing industries excluding transportation.....	145,115	146,887	149,625	150,087	451,069	447,982	443,169	443,169	151,518	155,724	149,973	141,236	147,664	146,076	146,076	135,371	1,639,006	1,513,602
	Manufacturing industries with unfilled orders.....	86,172	86,556	89,183	89,699	268,852	266,373	260,886	260,886	85,607	90,073	92,943	87,874	86,366	87,466	86,200	76,159	911,065	884,082
	Durable goods industries.....	82,238	82,583	86,179	86,841	260,339	261,761	252,602	252,602	80,582	86,763	88,536	83,181	82,459	86,823	83,673	71,609	941,171	856,052
	Durable goods with unfilled orders.....	69,193	69,650	71,916	72,702	217,285	215,863	211,253	211,253	68,481	72,347	74,853	70,539	68,457	71,023	69,614	60,803	784,771	714,964
	Nondurable goods industries.....	80,631	81,502	82,402	82,677	248,084	244,751	243,298	243,298	80,643	83,583	85,474	83,339	79,033	80,484	80,139	76,214	900,881	832,285
	Nondurable goods with unfilled orders.....	16,979	16,906	17,267	16,997	51,567	50,510	49,633	49,633	17,126	17,726	18,090	17,335	15,909	16,483	16,586	15,356	186,293	169,118
	MARKET CATEGORIES																		
	Home goods and apparel.....	11,987	11,971	12,217	12,400	37,409	37,089	36,096	36,096	12,652	13,476	13,658	13,406	12,256	13,278	12,706	11,821	136,026	125,189
	Consumer staples.....	28,560	28,664	29,267	28,919	87,405	86,554	86,007	86,007	29,163	29,725	30,842	28,878	28,727	28,413	30,216	28,277	317,120	305,502
	Equipment and defense products, except automotive.....	25,163	26,185	26,044	27,437	74,364	75,081	75,485	75,485	27,076	24,798	23,643	24,150	24,996	24,151	278,059	252,131		
	Automotive equipment.....	11,586	12,462	13,688	14,227	42,296	43,191	37,980	37,980	12,123	14,182	12,852	11,848	13,234	14,800	12,661	8,514	148,505	123,592
	Construction materials, supplies, and intermediate products.....	11,607	11,925	12,210	12,289	37,353	38,564	39,202	39,202	11,390	12,662	13,100	13,062	12,558	13,440	12,878	12,213	139,467	131,605
	Other materials, supplies, and intermediate products.....	72,301	73,920	74,914	75,639	226,523	224,749	222,426	222,426	70,816	74,816	76,482	74,528	71,274	72,226	70,355	65,533	822,668	755,318
	SUPPLEMENTARY SERIES ²																		
	Household durable goods industries.....	5,360	5,194	5,274	5,286	28,826	28,992	28,974	28,974	81,803	28,328	28,214	26,441	26,441	26,441	26,441	26,441	5,574	4,948
	Capital goods industries.....	28,826	28,534	24,608	24,573	73,112	72,453	73,217	73,217	23,924	23,825	25,417	23,246	23,246	23,246	23,246	23,246	27,550	23,549
	Nondefense.....	4,337	4,468	4,214	4,419	11,586	12,017	11,586	12,017	4,404	4,389	4,389	4,213	4,436	4,389	3,703	3,698	23,189	23,738
	Defense.....																	20,315	262,687
	INDUSTRY GROUPS AND INDUSTRIES																	3,234	37,285
	Durable goods industries:																		
32	Stone, clay, and glass products.....	3,873	3,865	4,024	4,006	12,278	12,597	3,837	3,837	4,164	4,335	4,288	3,977	4,221	3,907	4,221	4,221	45,664	41,854
322	Glass containers.....	4,92	4,88	4,93	4,93	1,527	1,567	1,386	1,386	502	518	515	405	425	437	5,500	4,509		
33	Primary metals.....	10,613	11,065	11,609	11,981	35,561	35,325	35,221	35,221	10,091	11,191	11,724	11,556	11,190	11,446	11,088	9,953	128,857	123,071
331	Blast furnaces, steel mills.....	5,560	5,710	5,929	6,111	18,266	18,482	17,804	17,804	5,175	5,965	5,921	5,556	5,430	5,430	5,055	6,175	56,842	
333-9	Nonferrous and other primary metals.....	4,138	4,368	4,720	4,018	13,454	14,197	3,985	3,985	4,442	4,695	4,532	4,519	4,825	4,984	4,621	5,457	50,457	54,150
34	Fabricated metal products.....	9,607	9,989	10,432	10,286	31,265	31,644	31,279	31,279	9,405	10,497	10,671	10,535	10,535	10,535	10,535	10,286	9,414	114,375
341	Metal cans, barrels, and drums.....																	3,841	37,285
35	Machinery, except electrical.....	9,113	797	819	2,441	2,488	2,617	672	672	769	907	969	695	822	967	967	967	9,296	9,463
351	Engines and turbines.....	1,509	1,393	1,429	1,429	1,429	1,429	1,429	1,429	4,101	4,404	4,141	1,346	1,320	1,154	1,154	1,154	186,403	166,293
352	Farm machinery and equipment.....	956	1,182	1,173	3,817	3,800	3,614	3,776	3,776	1,256	1,386	1,085	1,001	1,308	1,167	1,044	1,044	15,142	12,649
353	Construction, mining, and material-handling equipment.....	3,562	3,383	3,375	3,473	10,166	9,856	9,619	9,619	3,420	3,459	3,361	2,729	3,004	2,973	2,773	36,728	32,370	
354	Metalworking machinery.....	939	1,001	1,037	997	2,989	2,910	2,957	2,957	912	1,000	1,077	899	972	981	811	10,748	10,141	
355	General industrial machinery.....	1,459	1,474	1,422	1,422	1,474	1,474	1,474	1,474	4,282	4,383	4,383	4,071	4,071	4,071	4,071	4,071	1,247	15,678

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted						
		Monthly			Quarterly			Last 4 months			Monthly			Last 4 months a year ago			Year-to-date			
		Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	July 1981	1981	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980	1981
INDUSTRY GROUPS AND INDUSTRIES--Continued																				
36	Durable goods and industries--Continued	11,471	11,262	11,667	11,682	35,062	34,649	33,101	11,620	11,839	12,339	11,402	11,201	11,459	11,169	10,263	125,608	115,312		
361.2	Electrical machinery, equipment and distribution and industrial apparatus--	1,324	1,863	1,941	2,045	5,201	5,738	5,404	1,895	1,988	1,168	1,879	1,170	1,878	1,171	1,171	20,049	20,049		
363	Household appliances--	1,059	1,020	1,113	1,075	3,291	3,459	3,388	992	1,081	1,191	1,111	1,066	1,187	1,141	1,060	12,303	11,464		
365	Radio and TV--	800	838	965	875	2,765	2,859	2,708	8,207	1,002	1,115	9,906	1,019	993	9,906	8,203	8,203			
366	Communication equipment--	3,221	3,243	3,184	3,277	9,825	9,307	8,893	3,192	3,239	3,284	3,140	2,862	2,895	2,944	2,721	34,560	30,788		
367	Electronic components--	2,790	2,243	2,385	2,390	7,124	6,930	6,906	2,400	2,348	2,514	2,299	2,318	2,419	2,376	2,225	25,195	24,774		
371	Transportation equipment--	16,754	17,198	18,926	19,431	57,354	58,531	52,732	17,387	18,828	18,286	16,547	19,643	17,736	12,452	203,046	174,735			
372.6	Motor vehicles and parts--	10,018	12,370	11,971	10,686	36,731	37,622	32,737	10,670	12,299	11,670	12,299	11,670	12,299	11,594	12,908	16,796	16,824		
373.1	Aircraft, missiles, and parts--	4,795	4,550	4,938	4,827	14,218	14,459	13,626	4,832	4,755	5,177	4,662	4,678	4,617	4,843	3,679	51,499	46,236		
379.5	Shipbuilding and military tank vehicles--	1,175	1,095	1,151	1,261	3,616	3,520	3,405	1,173	1,167	1,172	1,208	1,018	1,016	1,084	1,034	12,627	11,477		
38	Instruments and related products--	4,143	4,241	4,299	4,205	12,812	12,695	12,305	4,253	4,395	4,587	4,198	4,104	4,124	4,166	3,872	45,998	41,935		
381.4	Scientific and engineering--	2,397	2,397	2,551	2,551	7,508	7,208	7,145	2,388	2,585	2,664	2,446	2,308	2,378	2,172	2,314	26,818	24,187		
386	Photographic goods--	1,457	1,429	1,416	4,442	4,367	4,285	4,285	1,588	1,588	1,511	1,603	1,532	1,522	1,497	1,432	15,951	14,851		
24	All other durable goods industries--	7,644	8,059	7,985	7,860	24,338	25,524	24,938	7,596	8,713	8,780	8,411	8,150	8,820	8,691	7,888	91,203	85,993		
39	Nondurable goods industries:																			
20	Food and kindred products--	21,519	22,421	22,453	22,453	67,512	67,507	66,528	21,928	22,763	23,316	22,394	22,574	22,677	23,002	22,021	244,796	232,352		
201	Meat products--	5,290	5,822	5,836	5,799	17,322	16,370	15,620	5,333	5,817	5,785	5,817	5,309	5,513	5,186	5,161	59,865	53,389		
208	Beverages--	2,887	2,898	2,927	2,955	8,948	9,124	8,629	2,933	3,055	2,980	3,044	2,891	3,131	3,215	3,297	32,798	31,431		
207	Fats and oils--	1,663	1,746	1,757	1,854	5,375	5,189	5,233	1,715	1,772	1,791	1,772	1,830	1,666	1,666	1,672	19,215	18,426		
203-5b,9	All other foods--	8,515	8,572	8,806	8,795	26,509	27,271	27,887	8,745	9,023	9,175	9,068	8,775	9,602	9,338	10,089	98,509	98,520		
21	Tobacco products--	1,099	1,211	1,186	1,186	3,592	3,283	3,287	1,199	1,164	1,164	1,190	1,190	1,167	1,028	1,100	12,405	11,308		
22	Textile mill products--	3,944	4,061	4,437	4,114	13,327	12,481	4,010	4,120	4,430	4,713	4,430	4,302	4,096	4,075	3,735	46,798	42,478		
26	Paper and allied products--	6,330	6,489	6,537	6,446	19,476	19,354	19,379	6,345	6,581	6,690	6,658	5,980	6,269	6,347	6,015	29,752	65,805		
261-3	Pulp, paper, etc.--	2,225	2,823	3,042	2,820	8,674	8,480	8,479	2,870	2,877	2,877	2,986	2,689	2,662	2,662	2,662	29,286	29,286		
265	Paperboard containers--	1,698	1,670	1,611	4,999	4,970	4,848	4,970	1,679	1,679	1,728	1,684	1,482	1,614	1,452	1,452	18,743	16,460		
264	All other paper products--	1,907	1,826	2,015	2,015	5,803	5,904	6,052	1,823	2,025	1,976	2,105	1,809	1,903	2,061	1,901	21,936	20,059		
28	Chemicals and allied products--	15,330	15,053	15,489	15,488	46,406	44,875	44,941	14,463	14,787	16,078	15,055	13,619	14,697	13,185	13,185	167,528	152,490		
281.6	Industrial chemicals, except pigments--	5,175	5,384	5,374	5,245	16,135	16,058	16,058	4,828	5,303	5,303	5,303	5,197	4,885	5,124	5,124	59,093	56,689		
283.4	Drugs, soap, and toiletries--	3,852	3,707	3,934	3,781	11,382	10,998	11,604	3,748	3,833	4,579	3,690	3,572	4,046	4,663	4,799	41,785	40,906		
29	Petroleum and coal products--	15,553	16,479	16,049	16,405	48,113	48,730	49,783	15,899	16,249	16,086	16,458	15,653	16,977	16,466	16,466	178,978	160,719		
30	Rubber and plastics products--	3,531	3,945	3,971	3,956	12,056	11,886	11,419	3,416	4,152	4,087	4,040	4,027	4,344	4,160	4,106	4,3,202	44,531		
23	All other nondurable goods industries--	12,651	12,299	12,297	12,359	37,392	36,304	35,480	13,384	13,567	13,314	13,086	12,187	12,713	11,586	135,215	122,592			

^pPreliminary.^rRevised.
1Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

2The supplementary series are groupings of the separate industry categories as follows: Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

3Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

4Nondefense products--Excluding farm machinery and equipment, electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondomestic portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

5Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies (formerly 'Shipments of Defense-Oriented Industries'), for the specified industries."

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted ¹						Year-to-date				
		Monthly			Quarterly			Last 4 months			Monthly			Last 4 months a year ago				
		Nov. 1981 ^p	Oct. 1981 ^r	Sent. 1981	Aug. 1981	1981	1981	1981	Oct. 1981 ^r	Sept. 1981	Aug. 1981	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980			
TOTALS																		
All manufacturing industries.....	159,393	159,005	168,444	170,063	511,118	508,837	499,772	157,797	168,150	172,733	164,781	160,864	170,629	165,215	147,422	1,842,624	1,699,007	
Manufacturing industries excluding transportation.....	144,021	143,225	149,817	149,688	451,207	450,989	443,887	141,350	147,887	153,449	148,821	143,471	149,432	144,855	125,497	1,637,612	1,514,012	
Manufacturing industries with unfilled orders.....	83,696	81,476	89,046	90,244	271,547	268,697	264,758	82,179	87,877	91,666	86,135	83,738	90,788	87,603	75,758	971,632	894,751	
Durable goods industries.....	79,125	86,278	86,270	86,270	263,324	263,647	256,383	77,694	84,898	87,507	81,487	82,107	90,114	84,947	71,133	94,2,205	867,205	
Durable goods with unfilled orders.....	67,080	64,871	72,015	73,211	229,270	217,748	215,034	65,593	70,882	73,824	68,845	68,105	74,314	70,888	60,327	78,805	726,117	
Nondurable goods industries.....	80,268	81,201	82,166	82,713	247,794	264,190	263,389	80,103	83,252	85,226	83,294	83,294	78,757	80,515	80,268	76,289	909,614	831,801
Industries with unfilled orders.....	16,616	16,605	17,031	17,033	51,277	50,949	49,724	16,586	17,395	17,842	17,290	15,633	16,474	16,715	15,431	183,825	168,634	
Industries without unfilled orders.....	63,652	64,596	65,680	65,135	196,517	194,241	193,665	63,517	65,857	67,384	66,004	63,124	64,041	63,553	60,858	714,586	663,167	
MARKET CATEGORIES																		
Home goods and apparel.....	11,783	11,578	12,221	12,353	37,402	37,187	36,749	12,271	12,793	13,463	12,000	13,041	12,550	11,927	136,255	124,848		
Consumer staples.....	28,605	28,655	28,655	28,945	87,480	86,647	86,030	29,178	29,596	30,893	28,915	28,697	30,389	30,239	28,343	317,552	300,560	
Equipment and defense products.....	25,844	23,225	27,503	79,769	75,996	78,323	24,249	26,430	27,030	24,026	22,722	27,411	26,360	27,889	281,808	263,135		
Except automotive.....	11,108	12,490	13,408	14,284	42,166	43,163	38,292	11,702	14,210	12,626	11,925	13,460	14,986	12,825	8,371	148,258	121,996	
Automotive equipment.....	11,838	11,571	12,273	11,944	37,117	38,764	39,024	11,425	12,299	12,817	12,659	12,391	13,573	12,555	12,012	139,108	130,916	
Construction materials, supplies, and other materials, supplies, and intermediate products.....	70,215	71,486	75,958	75,034	227,204	227,079	221,355	68,972	72,722	75,904	73,793	71,594	73,278	69,635	65,980	819,628	757,551	
SUPPLEMENTARY SERIES²																		
Household durable goods industries.....	4,852	4,810	5,388	5,252	16,150	16,347	16,412	4,869	5,117	5,894	5,661	4,909	5,508	5,416	5,064	58,940	53,602	
Capital goods industries.....	27,120	24,826	29,580	30,459	89,747	86,133	86,096	27,354	28,960	31,002	26,883	25,953	29,324	29,435	32,204	31,219	296,212	
Nondefense.....	23,996	20,996	23,996	23,830	5,729	24,706	71,952	70,468	21,757	22,640	23,705	22,642	23,492	23,176	19,534	25,848	245,672	
Defense.....	4,824	4,824	4,824	6,554	17,755	14,315	15,629	5,779	6,055	7,297	4,211	5,832	6,259	3,675	55,846	50,540		
INDUSTRY GROUPS AND INDUSTRIES																		
Durable goods industries.....	32	3,899	3,897	3,967	12,110	12,686	12,425	3,873	4,171	4,157	4,196	3,928	4,252	4,126	3,809	45,507	41,603	
Stone, clay, and glass.....	33	10,036	11,422	11,602	25,450	34,964	34,228	9,289	10,170	10,558	10,830	11,709	12,712	11,371	10,521	124,549	121,963	
Primary metals.....	331	5,107	6,022	6,082	18,540	18,453	17,291	4,847	4,973	5,266	5,482	6,373	5,354	5,124	6,175	56,983		
Duct furnaces, steel mills.....	333-5,9	9,029	9,299	9,382	10,054	4,466	13,322	13,746	3,550	4,062	4,248	4,302	5,182	4,948	4,513	48,612	53,886	
Nonferrous and other primary metal products.....	34	15,984	15,984	15,984	17,658	51,532	51,889	50,334	15,28	16,526	17,264	16,214	15,953	16,211	16,059	13,352	113,241	
Fabricated metal products.....	35	1,538	1,538	1,538	1,544	4,343	4,335	4,200	1,121	1,602	1,556	1,177	1,404	1,320	1,270	186,239	164,867	
Machinery, except electrical.....	351	1,337	1,390	1,551	1,544	1,544	1,544	1,544	1,544	1,544	1,544	1,544	1,544	1,544	1,544	12,169		
Engines and turbines.....	353	3,338	3,071	3,553	10,520	11,085	10,615	3,151	3,247	3,310	2,743	3,311	3,108	2,592	38,765	32,315		
Construction, mining, and material-handling equipment.....	354	661	765	786	2,267	2,333	2,701	638	764	774	1,747	1,773	1,866	999	635	8,741	10,095	
Metalworking machinery.....	356	1,293	1,551	1,638	4,504	4,526	4,198	4,244	4,504	4,504	4,504	4,504	4,504	4,504	4,504	1,369	1,230	

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES -Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted						Year-to-date 1980				
		Monthly			Quarterly			Monthly			Last 4 months a year ago							
		Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	1981	1981	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1980	Oct. 1980	Sept. 1980					
INDUSTRY GROUPS AND INDUSTRIES--Continued																		
361,2	Durable goods industries--Continued	11,855	10,370	12,487	11,920	36,462	36,281	34,371	11,571	11,267	12,818	11,699	11,426	12,135	10,815	10,829	129,708	129,171
361	Electrical machinery.....	1,494	1,901	2,038	5,937	5,770	5,798	1,909	1,568	1,911	1,993	1,739	1,975	1,717	1,689	21,165	20,402	
362	Electrical transmission and distribution equipment and industrial apparatus.....	2,009	1,074	1,049	3,249	3,477	3,402	2,754	2,845	833	1,163	1,073	1,031	1,197	1,197	1,110	12,227	11,524
363	Household appliances.....	763	608	1,173	956	3,083	2,754	11,105	10,704	9,811	3,451	1,293	1,111	913	947	3,796	8,114	8,004
365	Radio and TV.....	3,640	3,964	4,045	2,318	2,323	2,194	6,959	7,405	7,405	2,304	3,579	3,985	3,210	3,412	3,796	3,340	3,020
366	Communication equipment.....	15,372	15,780	18,827	20,375	59,911	57,848	55,886	6,620	6,620	2,198	2,328	2,409	2,236	2,106	2,207	2,026	25,916
367	Electronic components.....	4,011	3,432	5,617	5,106	16,839	13,663	16,553	4,436	5,854	6,510	3,571	3,969	5,857	3,259	5,882	58,418	58,418
371	Transportation equipment.....	1,170	764	595	1,954	3,966	3,796	1,168	1,229	1,519	812	1,370	2,656	1,284	1,370	13,709	13,700	
375	Aircraft, missiles, and parts.....	4,381	4,233	4,245	4,152	12,822	12,540	12,330	4,345	4,362	4,466	4,164	3,971	4,067	4,120	3,874	4,6208	42,075
38	Instruments and related products.....	24	25	8,086	7,775	24,238	25,563	7,372	8,462	8,569	8,391	8,082	8,673	8,386	7,924	91,710	85,770	
39	All other durable goods industries.....																	

^pPreliminary.^rRevised.
1Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

2The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the NA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 3. VALUE OF MANUFACTURERS' UNFINISHED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC	Industry	Seasonally adjusted ¹												Not seasonally adjusted ¹												
		Monthly				Quarterly				Last 4 months				Monthly				Last 4 months a year ago								
		Nov., 1981 ^p	Oct., 1981 ^r	Sept., 1981	Aug., 1981	1981	1981	1980	1980	1980	1980	1980	1980	1981	1981	1981	1980	1980	1980	1980	1980	1980	1980	1980	1980	
TOTALS																										
All manufacturing industries.....	121,058	123,538	328,613	328,757	325,918	323,602	319,729	315,027	306,494	111 1980	111 1980	111 1980	111 1980	321,651	323,813	325,133	313,558	314,186	310,864	309,461						
Manufacturing industries, except executive, transport and utility.....	205,782	206,881	210,540	210,332	210,403	207,405	206,686	200,514	197,955	201,942	204,428	207,963	210,244	204,428	200,030	198,262	199,483									
Durable goods industries.....	310,567	312,681	317,369	314,477	312,598	308,815	304,133	295,750	308,020	310,908	312,779	313,812	303,009	303,361	300,070	298,796										
Non durable goods industries.....	10,491	10,857	11,153	11,388	11,441	11,005	10,913	10,895	10,744	10,204	10,743	11,074	11,321	10,549	10,825	10,794	10,665									
MARKET CATEGORIES																										
Home goods and apparel.....	4,358	4,517	4,921	4,902	4,854	4,664	4,983	4,083	4,215	4,151	4,516	5,229	5,372	3,760	4,046	4,307	4,441									
Consumer staples.....	190,736	191,219	193,108	194,278	190,926	191,324	186,876	183,272	177,896	190,338	191,593	190,622	190,893	183,134	183,629	181,231	178,62									
Equipment and defense products.....	17,248	17,017	17,371	17,407	17,607	17,409	17,587	17,399	17,749	16,888	16,853	17,217	17,501	17,227	17,394	17,261	17,584									
Automotive equipment.....	108,696	110,785	113,213	112,170	112,531	110,206	111,277	110,270	106,635	106,847	108,689	110,785	111,367	109,437	109,117	108,065	108,785									
SUPPLEMENTARY SERIES ²																										
Household durable goods industries.....	3,129	3,348	3,735	3,708	3,732	3,628	2,954	3,084	3,220	2,962	3,323	4,006	4,167	2,752	3,029	3,270	3,428									
Capital goods industries.....	221,809	222,716	225,738	229,006	221,984	220,323	216,028	214,413	206,684	222,036	222,313	221,165	221,639	213,470	213,558	211,521	209,835									
Non durable goods industries.....	142,328	143,589	146,126	147,712	147,924	147,673	147,673	147,673	147,730	146,477	141,649	144,001	144,925	146,639	145,598	146,594	146,824	146,824								
Defense.....	79,681	79,127	77,294	74,696	72,398	68,355	67,113	67,113	60,207	80,430	79,055	77,388	74,526	67,872	67,364	65,230	62,812									
INDUSTRY GROUPS AND INDUSTRIES																										
Durable goods industries.....	32	2,288	2,177	2,124	2,250	2,292	2,288	2,460	2,426	2,531	2,137	2,101	2,095	2,273	2,341	2,390	2,492									
Stone, clay, and glass.....	33	27,049	27,627	28,521	28,708	28,595	28,935	30,248	28,010	25,487	25,144	25,946	26,988	28,135	28,342	27,823	26,557	26,274								
Plastic, furniture, metal, and glassware.....	331	16,208	16,565	17,188	17,075	16,897	16,926	17,439	15,742	13,558	14,896	15,224	15,949	16,648	16,310	15,583	14,640	14,341								
Nonferrous and other primary metal products.....	332-6,9	7,457	7,638	8,062	8,344	8,425	8,557	9,008	8,476	8,219	8,763	7,764	8,211	8,302	8,519	8,162	8,198									
Fabricated metal products.....	34	29,070	29,150	29,836	30,091	30,362	30,134	30,189	29,800	30,749	28,835	29,012	29,861	30,162	29,76	29,835	30,411									
Machinery, except electrical.....	35	74,699	75,440	75,297	75,578	74,692	74,396	72,650	71,914	73,372	74,139	74,680	75,233	72,144	72,000	72,032	72,289									
Engines and turbines.....	351	18,411	18,413	18,303	18,474	18,241	17,905	17,864	17,825	18,365	18,638	18,403	18,245	18,075	17,852	17,669										
Construction, mining, and material-handling equipment.....	353	11,031	11,363	11,380	10,989	9,760	8,765	8,141	8,062	10,784	11,116	11,116	11,116	11,266	8,307	8,293	8,785									
Metalworking machinery.....	354	5,222	5,500	5,736	5,987	6,659	7,035	7,202	7,661	7,986	5,242	5,316	5,733	6,083	7,360	7,559	7,684	7,756								
General industrial machinery.....	356	6,580	6,745	6,775	6,547	6,304	6,177	6,287	6,155	6,560	6,705	6,705	6,705	6,822	6,190											

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES
(Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹					
		Monthly			Quarterly			Last 4 months			Last 4 months a year ago			Monthly			Last 4 months		
		Nov. 1981 ^b	Oct. 1981 ^r	Sept. 1981	Aug. 1981	11 1981	1 1981	IV 1980	III 1980	II 1980	Oct. 1981 ^r	Nov. 1981 ^p	Sept. 1981	Aug. 1981	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980	
TOTALS																			
All manufacturing industries.....	279,560	278,440	276,616	273,361	269,709	266,524	257,980	256,835	256,421	277,441	276,040	273,900	272,545	255,399	254,257	254,207	255,938		
Manufacturing industries excluding transportation.....	239,362	238,176	237,192	234,666	231,081	228,413	221,170	221,393	221,992	227,077	235,827	234,522	233,539	219,434	218,438	218,769	220,501		
Manufacturing industries with unfilled orders.....	192,641	191,584	189,850	186,695	183,036	180,275	174,756	172,231	173,188	150,287	189,219	187,924	186,963	171,577	170,201	171,511	173,797		
Unurable goods industries.....	187,158	186,718	185,140	182,221	178,676	176,229	171,603	170,163	169,769	185,038	184,310	183,091	181,967	168,354	167,617	168,308	170,295		
Durable goods with unfilled orders.....	171,569	170,613	169,027	166,195	162,821	160,227	155,430	153,986	153,669	169,779	168,818	167,397	166,135	152,771	152,138	152,535	154,204		
Nondurable goods industries.....	92,402	91,722	91,476	91,140	91,933	90,295	86,377	86,672	86,652	92,403	91,730	90,809	90,578	87,045	86,640	85,899	85,643		
Nondurable goods with unfilled orders.....	21,072	20,911	20,823	20,500	20,215	20,047	19,326	19,245	19,520	20,508	20,401	20,527	20,828	18,806	18,763	18,976	19,593		
MARKET CATEGORIES																			
Home goods and apparel.....	23,020	22,570	21,982	21,881	21,410	21,201	20,663	20,395	20,706	21,773	21,762	21,773	22,252	19,451	19,772	20,215	20,844		
Consumer staples.....	33,009	33,184	33,142	33,205	32,658	32,201	32,880	31,283	31,088	31,283	34,232	33,544	32,736	33,616	33,227	32,389	32,592	31,550	
Equipment and defense products, except automotive.....	76,594	76,180	75,148	74,156	73,240	71,400	69,908	69,288	67,787	76,219	75,479	74,376	73,839	69,244	68,857	68,543	68,940		
Automotive equipment.....	11,558	11,866	11,714	11,394	11,530	11,775	11,872	11,589	11,589	12,267	11,733	11,850	11,539	11,461	11,457	11,685	11,781		
Construction materials, supplies, and intermediate products.....	22,848	22,795	23,006	22,727	22,393	21,602	21,266	20,809	20,999	22,058	22,262	22,516	22,441	20,278	20,210	20,387	20,724		
Other materials, supplies, and intermediate products.....	112,531	111,865	111,624	109,998	108,478	107,666	102,070	102,767	103,380	111,680	110,465	109,886	109,738	101,349	100,634	100,988	102,099		
SUPPLEMENTARY SERIES																			
Household durable goods industries.....	11,029	10,981	10,719	10,674	10,250	10,236	9,992	9,980	10,198	10,639	10,566	10,818	9,584	9,662	9,845	10,211			
Capital goods industries.....	86,691	86,053	83,742	83,742	80,376	80,556	79,285	77,469	75,420	96,266	85,371	83,562	83,562	77,570	77,119	76,856	76,856		
Nondurable.....	73,125	72,985	72,055	71,053	69,676	68,733	67,224	67,021	65,672	72,918	71,321	70,719	66,842	66,501	66,330	66,333	66,333		
Defense.....	13,566	13,068	13,019	12,689	12,700	11,984	11,021	10,447	9,749	13,448	12,971	12,924	12,843	10,728	10,618	10,375	10,463		
INDUSTRY GROUPS AND INDUSTRIES																			
Durable goods industries.....	6,974	6,923	7,037	6,831	6,599	6,398	6,165	6,016	6,189	6,679	6,613	6,792	6,738	5,807	5,788	5,900	5,900		
Stone, clay, and glass products.....	32	653	659	644	595	608	593	584	646	647	627	630	587	587	569	569	561		
Glass containers.....	33	25,399	25,288	24,987	24,412	23,334	23,640	21,976	22,022	22,555	24,971	24,709	24,332	21,880	21,665	21,699	22,199		
Blast furnaces, steel mills.....	13,124	13,148	13,120	12,734	12,169	12,722	11,864	12,152	12,722	13,255	13,122	13,029	12,785	12,000	11,937	12,067	12,443		
Nonferrous and other primary metals.....	10,736	10,617	10,511	10,268	9,819	9,563	8,802	8,564	8,484	10,607	10,415	10,270	10,165	8,636	8,367	8,459			
Fabricated metal products.....	20,633	20,598	20,440	20,232	19,973	19,812	19,773	19,395	19,020	20,227	20,147	20,220	18,957	18,753	19,119	19,119			
Metal cans, barrels, and drums.....	341	1,513	1,582	1,578	1,571	1,637	1,744	1,578	1,732	1,293	1,346	1,362	1,507	1,402	1,376	1,365	1,557		
Machinery, except electrical.....	35	42,523	42,282	42,017	41,366	40,342	39,618	39,189	39,726	42,175	41,681	41,038	38,663	39,166	39,484	39,484			
Engines and turbines.....	351	2,587	2,622	2,585	2,427	2,423	2,474	2,457	2,522	2,596	2,583	2,546	2,397	2,501	2,421	2,429	2,429		
Farm machinery and equipment.....	352	2,658	2,652	2,712	2,829	2,749	2,801	2,774	3,127	3,148	2,496	2,464	2,577	2,735	2,800	2,974	3,096		
Construction, mining, and material-handling equipment.....	353	9,777	9,522	9,213	9,082	8,789	8,469	8,650	8,766	9,699	9,294	9,066	8,955	8,502	8,409	8,512	8,800		
Material-handling machinery.....	354	2,629	2,612	2,749	2,717	2,636	2,624	2,760	2,855	2,833	2,527	2,717	2,802	2,818	2,861	2,818	3,576		
General industrial machinery.....	356	3,971	4,008	3,872	3,836	3,753	3,603	3,561	3,627	3,637	3,911	3,911	3,818	3,818	3,518	3,518	3,523		

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted													
		Monthly				Quarterly				Last 4 months				Monthly				Last 4 months				Monthly					
		Sov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	I 1981	II 1981	IV 1980	III 1980	11 1980	10 1981 ^r	Sept. 1981	Aug. 1981	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980	Nov. 1980	Oct. 1980	Sept. 1980	Aug. 1980		
36	INDUSTRY GROUPS AND INDUSTRIES--Continued																										
361.2	Durable goods industries--Continued	27,046	26,865	26,517	26,243	25,689	25,057	24,383	24,350	24,145	26,547	26,492	26,259	23,978	24,112	24,104	24,314										
361.2	Electrical machinery, equipment and	4,777	4,806	4,744	4,593	4,488	4,263	4,163	4,222	4,263	4,731	4,764	4,678	4,553	4,101	4,165	4,162	4,221									
363	distribution	2,138	2,031	1,934	1,905	1,874	1,843	1,943	1,943	1,943	2,021	1,928	1,994	1,727	1,745	1,760	1,830										
365	Industrial apparatus--	1,785	1,742	1,664	1,600	1,492	1,444	1,311	1,292	1,309	1,214	1,686	1,656	1,681	1,251	1,251	1,257	1,383									
366	Radio and TV--	9,058	8,882	8,859	8,662	8,886	8,774	8,630	8,589	8,778	9,029	8,869	8,844	8,667	8,667	8,640	8,644	8,645	8,645								
367	Communication equipment--	5,000	4,992	4,874	4,844	4,795	4,560	4,557	4,450	4,422	4,895	4,937	4,864	4,409	4,441	4,437	4,456	4,456									
37	Transportation equipment--	40,198	40,264	39,426	38,695	38,628	36,810	35,442	34,429	34,429	40,213	36,364	36,965	39,006	39,378	35,819	35,438	35,437									
371	Motor vehicles and parts--	9,088	9,453	9,316	9,088	9,275	9,605	9,694	9,409	9,409	9,521	9,476	9,326	9,388	9,387	9,321	9,631	9,571	9,631								
372.6	Aircraft, missiles, and parts	25,947	25,468	25,167	24,820	24,001	22,918	21,835	20,160	20,160	25,832	25,288	25,263	22,259	22,259	21,186	21,186	21,186	21,186								
373	Shipbuilding and military	2,595	2,596	2,449	2,636	2,612	2,265	2,105	2,130	2,130	2,689	2,823	2,671	2,488	2,344	2,344	2,344	2,344	2,344								
375	tank vehicles--	2,559	2,742	2,593	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449								
38	Instruments and related	9,754	9,738	9,603	9,603	9,603	9,603	9,281	9,037	8,994	9,553	9,576	9,611	9,009	9,009	9,009	9,009	9,009	9,009								
381-4	Scientific and engineering	6,942	6,000	6,912	6,842	6,642	6,593	6,474	6,309	6,633	6,844	6,844	6,844	6,844	6,844	6,844	6,844	6,844	6,844								
386	Photographic goods--	2,322	2,320	2,342	2,251	2,247	2,243	2,243	2,243	2,243	2,135	2,172	2,172	2,231	2,231	2,231	2,231	2,231	2,231								
24	All other durable goods	14,631	14,804	14,857	14,508	14,213	14,046	14,175	13,923	14,324	14,699	14,763	14,763	13,744	13,744	13,744	13,744	13,744	13,744								
39	Industries--																										
20	Nondurable goods industries:	21,599	21,600	21,826	21,951	21,862	22,237	22,325	22,325	22,325	21,263	22,368	21,913	21,417	22,392	23,642	22,273	21,389									
201	Food and kindred products--	2,088	2,130	2,067	2,267	2,272	2,271	2,271	2,271	2,271	2,153	2,132	2,095	2,029	2,029	2,253	2,253	2,089	2,089								
208	Beverages--	3,832	3,817	3,853	3,733	3,743	3,743	3,743	3,743	3,743	3,700	3,895	3,847	3,847	3,847	3,847	3,847	3,847	3,847								
207	Fats and oils--	1,762	1,602	1,696	1,663	1,663	1,792	2,055	2,055	2,055	1,840	2,388	1,840	1,253	1,253	1,420	1,420	1,767	1,767								
207	All other foods--	12,378	12,481	12,632	12,456	12,456	12,456	12,456	12,456	12,456	12,456	12,480	12,480	12,480	12,480	12,480	12,480	12,480	12,480								
21-21.6-9	Tobacco products--	4,036	4,043	3,966	3,931	3,570	3,689	3,507	3,628	3,507	3,628	3,405	4,145	4,087	3,906	3,605	3,605	3,566	3,566								
21	Textile mill products--	6,730	6,676	6,642	6,550	6,550	6,518	6,386	6,102	6,250	6,478	6,484	6,484	6,484	6,484	6,484	6,484	6,484	6,484								
26	Paper and allied products--	8,824	8,624	8,588	8,445	8,332	8,286	7,798	7,866	7,866	8,701	8,533	8,424	8,424	8,424	8,424	8,424	8,424	8,424								
261-3	Pulp, paper, etc.--	3,944	3,213	3,122	3,018	2,972	2,794	2,794	2,794	2,794	2,779	2,779	2,779	2,779	2,779	3,176	3,176	3,070	3,070								
265	Paperboard containers--	2,399	2,335	2,301	2,301	2,255	2,188	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	2,354	2,354	2,824	2,824								
264	All other paper containers--	3,131	3,118	3,022	3,022	3,022	3,022	3,022	3,022	3,022	2,953	2,953	2,953	2,953	2,953	3,080	3,080	3,071	3,071								
28	Chemicals and allied products--	20,764	20,722	20,363	20,281	20,218	19,488	18,489	18,478	19,211	20,629	20,301	19,956	20,025	18,482	18,482	18,482	18,482	18,482								
281.6	Industrial chemicals, except	6,940	6,856	6,810	6,856	6,961	6,693	6,244	6,200	6,714	6,946	6,760	6,708	6,808	6,300	6,037	6,107	6,201	6,201								
283.4	Pigments, drugs, soap, and toiletries--	6,928	5,998	5,941	8,867	8,867	5,819	5,819	5,819	5,819	5,937	5,937	5,937	5,937	5,937	5,937	5,937	5,937	5,937								
29	Petroleum and coal products--	8,223	8,722	9,206	9,320	9,396	9,885	8,240	8,240	8,240	8,711	9,154	9,087	9,353	9,424	8,412	8,412	8,412	8,412								
30	Rubber and plastics products--	5,800	5,729	5,703	5,624	5,634	5,538	5,279	5,232	5,232	5,603	5,589	5,589	5,589	5,589	5,589	5,589	5,589	5,589								
23	All other nondurable goods	15,516	15,182	15,038	14,817	14,656	14,353	14,243	14,241	14,241	14,241	14,241	14,241	14,241	14,241	15,181	15,181	15,181	15,181								
27	Industries--	15,826																									
31	All other nondurable goods																										

Preliminary.

1. Shipped and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

2. The supplemental series are groupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks, and

Miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense industries--Machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components);

Petroleum and coal products--

Drugs, soap, and toiletries products--

Rubber and plastics products--

All defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and ordnance.

The data are comparable to those published annually in the MA-175, "Shipments to Defense-oriented Industries" (formerly "Shipments to Federal Government Agencies") for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP (Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted						
	Monthly	Oct. 1981 ^r	Sept. 1981	Aug. 1981	11 1981	1 1981	IV 1980	111 1980	II 1980	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1980	Aug. 1980
TOTALS													
All manufacturing industries.....	279,560	278,640	276,616	273,361	269,709	266,524	257,980	256,835	256,421	277,441	276,040	273,900	272,565
Durable goods industries.....	187,158	186,718	185,140	182,221	178,676	176,229	171,603	170,163	169,769	185,038	184,310	183,091	181,967
Stone, clay, and glass products.....	6,974	6,923	6,331	6,539	6,145	6,334	6,398	6,189	6,016	6,673	6,673	6,792	6,738
Primary metals.....	25,359	25,268	25,087	24,612	23,314	23,640	21,973	22,022	22,355	25,338	24,971	24,175	25,880
Fabricated metals.....	20,633	20,598	20,440	20,232	19,973	19,773	19,395	20,020	20,058	20,221	20,167	20,220	18,957
Non-electrical machinery.....	42,533	42,282	41,617	41,366	40,346	39,168	39,126	39,514	39,662	41,452	41,175	41,681	41,452
Electrical machinery.....	27,046	26,865	26,517	26,243	25,689	25,057	24,383	24,450	24,145	26,547	26,492	26,256	26,256
Transportation equipment.....	4,019	4,024	4,024	3,944	3,889	3,889	3,811	3,810	3,810	4,0364	4,021	3,978	3,978
Instruments and related products.....	9,754	9,738	9,738	9,695	9,695	9,695	9,380	9,281	9,037	8,994	9,555	9,555	9,595
All other durable goods industries.....	14,631	14,880	14,880	14,508	14,213	14,046	14,175	14,175	13,923	14,324	14,531	14,699	14,744
Nondurable Goods Industries.....	92,492	91,722	91,476	91,240	90,033	90,295	86,377	86,672	86,652	91,403	91,730	90,809	90,578
Chemicals and allied products.....	20,766	20,363	20,381	20,281	19,488	18,489	18,478	18,478	18,478	20,639	20,301	19,936	20,025
Petroleum and coal products.....	8,833	8,772	9,206	9,220	9,996	9,885	8,240	8,805	8,711	9,154	9,087	9,353	9,424
Rubber and plastics products, n.e.c.	5,800	5,729	5,703	5,624	5,538	5,232	5,603	5,589	5,589	5,585	5,585	5,582	5,125
All other nondurable goods industries.....	57,015	56,499	56,204	55,915	55,385	55,185	54,369	54,158	53,127	57,031	56,777	55,908	55,592
MATERIALS AND SUPPLIES													
All manufacturing industries.....	94,325	94,264	94,187	93,015	92,127	91,907	89,380	88,701	89,963	93,987	94,114	93,540	92,907
Durable goods industries.....	57,623	57,648	57,495	56,594	55,495	55,816	53,808	53,587	54,624	57,501	57,694	57,535	56,950
Stone, clay, and glass products.....	2,716	2,698	2,719	2,691	2,691	2,636	2,532	2,446	2,278	2,342	2,668	2,716	2,650
Primary metals.....	9,447	9,374	9,315	9,299	8,849	9,401	8,924	9,000	9,046	9,623	9,464	9,339	9,105
Fabricated metals.....	7,604	7,610	7,604	7,417	7,417	7,272	7,420	7,081	7,525	7,369	7,507	7,631	7,520
Non-electrical machinery.....	11,570	11,480	11,482	11,395	11,212	10,843	10,993	11,176	11,252	11,516	11,490	11,332	11,167
Electrical machinery.....	7,911	7,928	7,918	7,842	7,581	7,340	7,340	7,29	7,379	7,336	7,655	7,754	7,782
Transportation equipment.....	9,762	9,899	9,931	9,762	9,594	9,762	9,788	8,836	8,274	8,876	10,025	10,029	9,939
Instruments and related products.....	2,889	2,901	2,854	2,887	2,887	2,885	2,885	2,786	2,852	2,852	2,869	2,869	2,763
All other durable goods industries.....	5,724	5,758	5,792	5,765	5,765	5,564	5,520	5,345	5,367	5,457	5,776	5,865	5,782
Nondurable goods industries.....	36,702	37,716	36,692	36,421	36,311	37,934	36,412	35,572	35,114	35,486	36,420	36,005	35,957
Chemicals and allied products.....	7,819	7,856	7,856	7,904	7,904	7,904	7,904	7,904	7,904	7,904	7,757	7,841	7,861
Petroleum and coal products.....	2,185	2,146	2,214	2,311	2,531	2,474	2,176	2,176	2,176	2,179	2,339	2,339	2,339
Rubber and plastics products, n.e.c.	2,420	2,357	2,347	2,264	2,345	2,373	2,250	2,085	2,085	2,376	2,347	2,308	2,045
All other nondurable goods industries.....	24,278	24,257	24,210	23,942	23,391	23,478	23,690	23,340	23,383	24,153	23,957	23,587	23,471
WORK IN PROCESS													
All manufacturing industries.....	100,000	99,208	98,651	97,768	96,376	95,366	92,042	90,648	89,360	99,375	98,812	98,185	97,942
Durable goods industries.....	85,549	84,986	84,083	82,996	81,769	80,584	77,935	76,691	75,512	84,852	84,388	83,564	83,263
Stone, clay, and glass products.....	1,016	1,044	933	929	897	897	851	933	935	882	935	935	935
Primary metals.....	9,913	9,941	9,888	9,571	9,107	8,951	7,960	7,999	8,436	9,827	9,779	9,734	9,716
Fabricated metals.....	8,105	8,049	7,911	7,853	7,886	7,815	7,797	7,797	7,742	7,863	7,747	7,742	7,922
Non-electrical machinery.....	18,712	18,654	18,554	18,531	18,203	17,888	17,844	17,556	17,791	17,720	18,483	18,387	18,384
Electrical machinery.....	13,795	13,661	13,551	13,375	13,290	12,893	12,452	12,116	11,828	13,709	13,636	13,482	13,406
Transportation equipment.....	26,341	26,065	25,999	25,022	24,600	23,902	23,156	21,622	21,623	26,004	25,447	25,185	23,508
Instruments and related products.....	4,258	4,255	4,238	4,168	4,176	4,059	4,064	3,882	3,920	4,199	4,200	4,214	4,181
All other durable goods industries.....	3,381	3,415	3,476	3,511	3,489	3,353	3,288	3,365	3,365	3,403	3,452	3,494	3,284
Nondurable goods industries.....	14,651	14,222	14,568	14,772	14,607	14,782	14,107	13,957	13,848	14,523	14,424	14,521	14,679
Chemicals and allied products.....	2,679	2,713	2,718	2,716	2,726	2,740	2,508	2,568	2,679	2,711	2,693	2,700	2,694
Petroleum and coal products.....	2,546	2,385	2,669	2,754	2,654	2,654	2,654	2,654	2,654	2,476	2,433	2,622	2,505
Rubber and plastics products, n.e.c.	1,093	1,017	1,052	1,069	1,031	1,006	912	907	886	1,101	1,026	1,054	944
All other nondurable goods industries.....	8,133	8,107	8,126	8,234	8,207	8,310	8,036	7,858	7,837	8,112	8,254	8,247	8,238
FINISHED GOODS													
All manufacturing industries.....	85,235	84,868	83,778	82,578	81,206	79,252	76,557	77,488	77,099	84,079	83,114	81,696	76,471
Durable goods industries.....	43,986	44,084	43,562	42,631	41,091	40,149	39,860	39,885	39,634	42,685	42,228	41,992	41,754
Stone, clay, and glass products.....	3,217	3,274	3,208	2,979	2,933	2,848	2,848	2,848	2,881	3,064	3,064	3,064	3,077
Primary metals.....	6,011	5,981	5,738	5,738	5,902	5,023	5,023	5,023	5,023	5,888	5,728	5,616	5,511
Fabricated metals.....	4,924	4,939	4,925	4,962	4,577	4,722	4,722	4,722	4,722	4,773	4,687	4,778	4,573
Non-electrical machinery.....	12,148	11,998	11,668	10,391	10,440	10,440	10,440	10,440	10,440	11,708	11,187	11,473	10,412
Electrical machinery.....	5,340	5,216	5,168	5,026	4,818	4,702	4,702	4,702	4,702	5,102	4,992	4,992	4,624
Transportation equipment.....	4,095	4,300	4,300	4,300	3,864	3,994	3,994	4,072	4,072	3,911	4,136	3,902	3,947
Instruments and related products.....	2,607	2,558	2,666	2,542	2,676	2,676	2,676	2,676	2,676	2,583	2,583	2,583	2,583
All other durable goods industries.....	5,526	5,665	5,673	5,638	5,413	5,203	5,348	5,348	5,348	5,122	5,185	5,185	5,047
Nondurable goods industries.....	41,249	40,784	40,216	39,103	40,967	40,115	39,697	37,603	37,445	40,183	40,886	39,942	37,533
Chemicals and allied products.....	10,286	10,153	9,724	9,509	8,873	8,313	8,565	9,121	9,121	9,833	9,422	9,422	8,538
Petroleum and coal products.....	4,092	4,161	4,161	4,161	4,685	3,413	3,657	4,036	4,036	4,295	4,450	4,450	4,026
Rubber and plastics products, n.e.c.	2,287	2,355	2,301	2,291	2,258	2,159	2,159	2,159	2,159	2,157	2,157	2,157	2,049
All other nondurable goods industries.....	24,604	24,135	23,868	23,739	23,587	23,386	23,386	23,386	23,386	23,977	24,074	24,074	22,833

Preliminary.

Table 6. PERCENT CHANGES AND REVISIONS FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent change							Revisions ²		
	Month-to-month			Average monthly rate of change ¹				Year ago	Average monthly	
	Oct. 1981-Nov. 1981	Sept. 1981-Oct. 1981	Aug. 1981-Sept. 1981	Third quarter 1981	Second quarter 1981	First quarter 1981	Dec. 1980 through Nov. 1981		Nov. 1980 through Oct. 1981	Nov. 1976-1980
Shipments										
All manufacturing industries.....	-1.4	-2.7	-0.6	-0.6	+1.1	+0.4	-	0.4	0.2	1.2
Durable goods industries.....	-1.6	-4.2	-0.8	-1.0	+1.4	+0.6	-0.2	0.7	0.4	0.4
Non-durable goods industries.....	-1.1	-1.1	-0.3	-0.1	+0.8	+0.2	+0.2	0.2	0.3	0.3
Inventories:										
All manufacturing industries.....	+0.4	+0.7	+1.2	+0.8	+0.4	+1.1	+0.7	0.0	0.1	0.1
New orders:										
All manufacturing industries.....	+0.2	-5.6	-1.0	-0.5	+0.7	+0.1	-0.2	0.5	0.3	0.4
Durable goods industries.....	+1.7	-9.8	-1.2	-0.8	+0.6	+0.1	-0.5	0.9	0.6	0.8
Non-durable goods industries.....	-1.1	-1.2	-0.7	-0.2	+0.8	+0.1	+0.1	0.2	0.3	0.2
Unfilled orders:										
Durable goods industries.....	-0.7	-1.5	0.0	+0.3	+0.2	+0.4	+0.1	0.0	0.1	0.1

- Represents zero.

¹Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.²The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981	Nov. 1981 ^p	Oct. 1981 ^r	Sept. 1981	Aug. 1981
All manufacturing industries.....	1.73	1.70	1.64	1.61	3.73	3.74	3.68	3.67
Durable goods industries.....	2.30	2.26	2.15	2.10	4.49	4.49	4.41	4.37
Stone, clay, and glass products.....	1.80	1.80	1.75	1.71	0.68	0.65	0.60	0.64
Primary metals.....	2.39	2.28	2.16	2.04	2.55	2.50	2.46	2.40
Fabricated metals.....	2.15	2.06	1.99	1.94	3.31	3.17	3.14	3.13
Machinery, except electrical.....	2.48	2.50	2.42	2.40	4.57	4.73	4.72	4.68
Electrical machinery.....	2.36	2.39	2.27	2.25	4.45	4.50	4.42	4.34
Transportation equipment.....	2.40	2.34	2.08	1.99	11.27	11.59	10.91	10.54
Instruments and related products.....	2.35	2.29	2.27	2.28	1.76	1.66	1.64	1.69
Non-durable goods industries.....	1.15	1.13	1.11	1.10	0.62	0.64	0.65	0.67
Food and kindred products.....	1.00	.98	0.97	0.98	(X)	(X)	(X)	(X)
Tobacco products.....	3.44	3.68	3.27	3.31	(X)	(X)	(X)	(X)
Textile mill products.....	1.71	1.64	1.50	1.48	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.35	1.34	1.31	1.31	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.35	1.38	1.31	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.55	0.53	0.57	0.57	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.64	1.45	1.44	1.42	(X)	(X)	(X)	(X)

(NA) Not available. ^pPreliminary. ^rRevised. (X) Not applicable.¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

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